BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS

Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer In Charge of the work (excluding GST and Area Leading Charges)

For One Day It requires Mazdoor Heavy -1 No, Mazdoor Light - 3 No for fixing 10sqm

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
A	MATERIAL COMPONENT								
1	Burnt stone slabs 10cms thick								
			1	10.00	1.00		10.00		
		sqm					10.00	430.00	4300.00
	Pg No A-14 It No 074 of PWD SR 2021-22 of Vol-2								
	Basic rate	*430.00*							
	For pointing of 10 sqm of Drain Cover Slab it requires 0.01 cum of CM (10X1X0.01X0.1)=0.01								
2	Cement								
	For 1cum of CM it requires 10.2 Bags of Cement								
	For 0.01 cum of CM it requires		=	10.2	X	0.01			
	kgs		=		0.102				
			1	0.10			0.10		
		Bag					0.10	321.84	32.18
	Pg No A-39 It No 29 of PWD SR 2021-22 of Vol-1								
	Basic rate	*447.00*							
	Deduct GST 28%	*-125.16*							
	Final Rate	*321.84*							
3	Coarse Sand								
	For 1cum of CM it requires 1.07 cum of Sand								
	For 0.01 cum of CM it requires		=	1.07	X	0.01			
	cum		=		0.0107				
	at 0.43 cum		1	0.01			0.01		
		cum					0.01	1413.60	14.14
	Pg No A-41 It No 74 of PWD SR 2021-22 of Vol-1								
	Basic rate	*1488.00*							
	Deduct GST 5%	*-74.40*							
	Final Rate	*1413.60*							
B	LABOUR COMPONETS								
	For fixing of 10m Length of Slab it requires Mason- Class 2 of 1 No and Mazdoor heavy of 1 No and Mazdoor light of 2 No								
4	Mazdoor Heavy		1				1.00		
		Day					1.00	486.22	486.22
	Pg No A-52 It No 1 of PWD SR 2021-22								
	Basic rate	*486.22*							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
5	Mazdoor Light		4				4.00		
	(Slab Shifting 2, Mortar Mixing and Shifting 2)	Day					4.00	486.22	1944.88
	Pg No A-52 It No 2 of PWD SR 2021-22								
	Basic rate	*486.22*							
								A	6777.42
6	Add 1% Water Charges on A								67.77
								Sub Total 1	6845.19
								Over Head Charges at 10%	684.52
								Sub Total 1	7529.71
								Contractor Profit at 10%	752.97
	For 10sqm						10.00 sqm	Total	8282.68
							For 1 Sqm = 8282.68/ 10 =		828.27
								Say Rs.	828.00

Certificate.

1 This DATA RATE as been prepared as per PWD SR, Bangalore circle for year 2021-22
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The provisions made in the estimate are necessary and essential.

Assistant Engineer

Assistant Executive Engineer

Executive Enginer

ಮುಖ್ಯ ಅಭಿಯಂತರರು (ದಕ್ಷಿಣ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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Rate in Rs	Amount in Rs
486.22	1944.88
A	6777.42
	67.77
l 1	6845.19
%	684.52
1	7529.71
	752.97
	8282.68
	828.27
	828.00

BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS - PRECAST SLAB (25cm Thick)

Providing and fixing precast reinforced cement concrete covering slabs of 25cm thick made out of M25 with OPC cement @ 340kgs/cum, with 20 mm downsize graded metal coarse aggregates @ 0.70cum and fine aggregates & 0.74 cum with superplasticizers, machine mixed, including providing and removing centering, shuttering, strutting, proping etc., for edges of slabs with TMT steel (Fe 500) cost & reinforcement charges, including pointing wauth CM 1:3, finishing as required with cost of all materials, labour, all lead and lift, HOM of machinery, curing including cost of reinforcement etc., complete as directed by the Engineer in Charge of the work (Exclusive of GST and Area Loading Charges)

Considering Slab of Size - 1.80 x 0.60 x 0.25m

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20								
		Cum	1	1.80	0.60	0.25	0.27		
							0.27	6613.95	1785.77
	Pg No 16 It No 2.4.3 of PWD SR 2021-22								
	Basic rate	*6299.00*							
	Add 5% for Centering	*314.95*							
	Final Rate	*6613.95*							
3	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								
			Nos	Length	Total Length	Unit Weight	Total Weight		
	Steel 16mm dia - Main Rod @ 125mm c/c	2	6	1.80	21.60	1.58	34.13		
	Steel 10mm dia - Main Rod @ 150mm c/c	2	12	0.70	16.80	0.62	10.42		
							44.55		
				Add 3% Wastage			1.34		
							45.89		
							0.046	103329.00	4753.13
	Pg No 99 It No 13.1 of PWD SR 2021-22 and Issue Rate as on 07-04-2022								
	Basic rate	*103329.00*							
								Sub Total (1)	6538.90
	One Slab	1.8	X	0.6	=	1.08			
							For 1 Sqm =6538.90 / 1.08 =		6054.54
								Total 1	6055.00

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate In Rs	Amount In Rs
B	For Fixing In Site								
a	MATERIAL COMPONENT FOR CM 1:3								
	For pointing of 25 sqm of 250mm Drain Cover Slab it requires 0.025 cum of CM (25X1X0.01X0.25)=0.0625								
3	Cement								
	For 1cum of CM it requires 10.2 Bags of Cement								
	For 0.0625 cum of CM it requires		=	10.2	X	0.0625			
	kgs		=		0.64				
			1	0.64			0.64		
		Bag					0.64	321.84	205.98
	Pg No A-39 It No 29 of PWD SR 2021-22 of Vol-1								
	Basic rate	*447.00*							
	Deduct GST 28%	*-125.16*							
	Final Rate	*321.84*							
4	Coarse Sand								
	For 1cum of CM it requires 1.07 cum of Sand								
	For 0.0625 cum of CM it requires		=	1.07	X	0.0625			
	cum		=		0.067				
	at 0.43 cum		1	0.07			0.07		
		cum					0.07	1413.60	98.95
	Pg No A-41 It No 74 of PWD SR 2021-22 of Vol-1								
	Basic rate	*1488.00*							
	Deduct GST 5%	*-74.40*							
	Final Rate	*1413.60*							
b	LABOUR COMPONETS								
	For Refixing of 25 sqm Length of Slab it requires Mazdoor heavy of 1 No and Mazdoor light of 3 No								
5	Mazdoor Heavy		1				1.00		
		Day					1.00	486.22	486.22
	Pg No A-52 It No 1 of PWD SR 2021-22								
	Basic rate	*486.22*							
6	Mazdoor Light		3				3.00		
		Day					3.00	486.22	1458.66
	Pg No A-52 It No 2 of PWD SR 2021-22								
	Basic rate	*486.22*							
								A	2249.81

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
7	Add 1% Water Charges on A								22.5
								B	2272.31
								Over Head Charges at 10%	227.23
								C	2499.54
								Contractor Profit at 10%	249.95
								Sub Total (2)	2749.49
	For 25sqm						25.00 sqm		
							For 1 Sqm = 2749.49 / 25 =		109.98
								Total 2	110.00
								Grand Total (Total 1 + Total 2)	6165.00

Certificate.

1 This DATA RATE as been prepared as per PWD SR, Bangalore circle for year 2021-22 and Issue Rates as on 7-4-22

2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

3 The provisions made in the estimate are necessary and essential.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

ಮುಖ್ಯ ಅಭಿಯಂತರರು (ದಕ್ಷಿಣ)
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